T. Wessendorf

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5/14/99 9/2

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RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/935,377*

DATE: 05/14/1999
TIME: 13:53:05

INPUT SET: S31870.raw

> **This Raw Listing contains the General**
> **Information Section and up to the first 5 pages.**

```
 1                              SEQUENCE LISTING        ENTERED
 2
 3   (1)     General Information:
 4
 5       (i) APPLICANT: Zauderer, Maurice
 6
 7      (ii) TITLE OF INVENTION: T Cells Specific for Target Antigens and
 8               Vaccines Based Thereon
 9
10    (iii) NUMBER OF SEQUENCES: 37
11
12     (iv) CORRESPONDENCE ADDRESS:
13             (A) ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C
14             (B) STREET: 1100 New York Avenue, N.W., Suite 600
15             (C) CITY: Washington
16             (D) STATE: D. C.
17             (E) COUNTRY: USA
18             (F) ZIP: 20005
19
20      (v) COMPUTER READABLE FORM:
21             (A) MEDIUM TYPE: Floppy disk
22             (B) COMPUTER: IBM PC compatible
23             (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24             (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
25
26     (vi) CURRENT APPLICATION DATA:
27             (A) APPLICATION NUMBER: US 08/935,377
28             (B) FILING DATE: 22-SEP-1997
29             (C) CLASSIFICATION:
30
31   (viii) ATTORNEY/AGENT INFORMATION:
32             (A) NAME: Steffe, Eric K
33             (B) REGISTRATION NUMBER: 36,688
34             (C) REFERENCE/DOCKET NUMBER: 1821.0010000/EKS/CMB
35
36     (ix) TELECOMMUNICATION INFORMATION:
37             (A) TELEPHONE: (202) 371-2600
38             (B) TELEFAX: (202) 371-2540
39
40
41   (2) INFORMATION FOR SEQ ID NO:1:
42
43       (i) SEQUENCE CHARACTERISTICS:
44             (A) LENGTH: 69 base pairs
45             (B) TYPE: nucleic acid
46             (C) STRANDEDNESS: single
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RAW SEQUENCE LISTING
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```
47              (D) TOPOLOGY: linear
48
49      (ii) MOLECULE TYPE: cDNA
50
51
52      (ix) FEATURE:
53              (A) NAME/KEY: CDS
54              (B) LOCATION: 46..69
55
56
57      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
58
59  GGCCAAAAAT TGAAAAACTA GATCTATTTA TTGCACGCGG CCGCC ATG GGC CCG        54
60                                                     Met Gly Pro
61                                                      1
62
63  GCC GCC AAC GGC GGA                                                 69
64  Ala Ala Asn Gly Gly
65       5
66
67
68  (2) INFORMATION FOR SEQ ID NO:2:
69
70          (i) SEQUENCE CHARACTERISTICS:
71              (A) LENGTH: 8 amino acids
72              (B) TYPE: amino acid
73              (D) TOPOLOGY: linear
74
75      (ii) MOLECULE TYPE: protein
76
77      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
78
79  Met Gly Pro Ala Ala Asn Gly Gly
80   1               5
81
82  (2) INFORMATION FOR SEQ ID NO:3:
83
84          (i) SEQUENCE CHARACTERISTICS:
85              (A) LENGTH: 75 base pairs
86              (B) TYPE: nucleic acid
87              (C) STRANDEDNESS: single
88              (D) TOPOLOGY: linear
89
90      (ii) MOLECULE TYPE: cDNA
91
92
93      (ix) FEATURE:
94              (A) NAME/KEY: CDS
95              (B) LOCATION: 52..75
96
97
98      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
99
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INPUT SET: S31870.raw

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100    GGCCAAAAAT TGAAATTTTA TTTTTTTTTT TTGGAATATA AAGCGGCCGC C ATG GGC        57
101                                                             Met Gly
102                                                                 10
103
104    CCG GCC GCC AAC GGC GGA                                                75
105    Pro Ala Ala Asn Gly Gly
106                    15
107
108
109    (2) INFORMATION FOR SEQ ID NO:4:
110
111           (i) SEQUENCE CHARACTERISTICS:
112                  (A) LENGTH: 8 amino acids
113                  (B) TYPE: amino acid
114                  (D) TOPOLOGY: linear
115
116          (ii) MOLECULE TYPE: protein
117
118          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
119
120    Met Gly Pro Ala Ala Asn Gly Gly
121     1               5
122
123    (2) INFORMATION FOR SEQ ID NO:5:
124
125           (i) SEQUENCE CHARACTERISTICS:
126                  (A) LENGTH: 57 base pairs
127                  (B) TYPE: nucleic acid
128                  (C) STRANDEDNESS: single
129                  (D) TOPOLOGY: linear
130
131          (ii) MOLECULE TYPE: cDNA
132
133
134
135
136          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
137
138    GGCCAAAAAT TGAAAAACTA GATCTATTTA TTGCACGCGG CCGCCATGGG CCCGGCC        57
139
140    (2) INFORMATION FOR SEQ ID NO:6:
141
142           (i) SEQUENCE CHARACTERISTICS:
143                  (A) LENGTH: 145 base pairs
144                  (B) TYPE: nucleic acid
145                  (C) STRANDEDNESS: single
146                  (D) TOPOLOGY: linear
147
148          (ii) MOLECULE TYPE: cDNA
149
150
151
152
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RAW SEQUENCE LISTING
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INPUT SET: S31870.raw

153
154   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
155
156   GGCCAAAAAT TGAAAAACTA GATCTATTTA TTGCACGCGG CCGCCGTGGA TCCCCCGGGC   60
157
158   TGCAGGAATT CGATATCAAG CTTATCGATA CCGTCGACCT CGAGGGGGGG CCTAACTAAC   120
159
160   TAATTTTGTT TTTGTGGGCC CGGCC   145
161   (2) INFORMATION FOR SEQ ID NO:7:
162
163   (i) SEQUENCE CHARACTERISTICS:
164   (A) LENGTH: 148 base pairs
165   (B) TYPE: nucleic acid
166   (C) STRANDEDNESS: single
167   (D) TOPOLOGY: linear
168
169   (ii) MOLECULE TYPE: cDNA
170
171
172
173
174   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
175
176   GGCCAAAAAT TGAAAAACTA GATCTATTTA TTGCACGCGG CCGCCATGGT GGATCCCCCG   60
177
178   GGCTGCAGGA ATTCGATATC AAGCTTATCG ATACCGTCGA CCTCGAGGGG GGGCCTAACT   120
179
180   AACTAATTTT GTTTTTGTGG GCCCGGCC   148
181
182   (2) INFORMATION FOR SEQ ID NO:8:
183
184   (i) SEQUENCE CHARACTERISTICS:
185   (A) LENGTH: 149 base pairs
186   (B) TYPE: nucleic acid
187   (C) STRANDEDNESS: single
188   (D) TOPOLOGY: linear
189
190   (ii) MOLECULE TYPE: cDNA
191
192
193
194
195   (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
196
197   GGCCAAAAAT TGAAAAACTA GATCTATTTA TTGCACGCGG CCGCCATGAG TGGATCCCCC   60
198
199   GGGCTGCAGG AATTCGATAT CAAGCTTATC GATACCGTCG ACCTCGAGGG GGGGCCTAAC   120
200
201   TAACTAATTT TGTTTTTGTG GGCCCGGCC   149
202
203   (2) INFORMATION FOR SEQ ID NO:9:
204
205   (i) SEQUENCE CHARACTERISTICS:

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206              (A) LENGTH: 150 base pairs
207              (B) TYPE: nucleic acid
208              (C) STRANDEDNESS: single
209              (D) TOPOLOGY: linear
210
211       (ii) MOLECULE TYPE: cDNA
212
213
214
215
216       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
217
218  GGCCAAAAAT TGAAAAACTA GATCTATTTA TTGCACGCGG CCGCCATGAC GTGGATCCCC       60
219
220  CGGGCTGCAG GAATTCGATA TCAAGCTTAT CGATACCGTC GACCTCGAGG GGGGGCCTAA      120
221
222  CTAACTAATT TTGTTTTTGT GGGCCCGGCC                                       150
223
224  (2) INFORMATION FOR SEQ ID NO:10:
225
226       (i) SEQUENCE CHARACTERISTICS:
227              (A) LENGTH: 8 amino acids
228              (B) TYPE: amino acid
229              (C) STRANDEDNESS: single
230              (D) TOPOLOGY: Not Relevant
231
232       (ii) MOLECULE TYPE: peptide
233
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SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/08/935,377*

Line   Error   Original Text